

Technical Data Sheet

STX-09

General Description

- Ultra-violet responsive fluorescent toner - free of formaldehyde - for water based formulations.
- A dyed/pigmented polyester resin.

Applications

- UV Blue tracer for water based inks for flexo and gravure.
- UV Blue tracer for water based paper coating, felt tip markers.

Product Features

- STX-09 toners represent a unique fluorescent ink system which, although delivered in dry form, is totally water-soluble in high concentrations.
- STX-09 is colorless in normal daylight, but glows blue under UV exposure, making it especially suitable as a tracer for printing on foil and films.
- STX-09 exhibits excellent transparency
- With the addition of a small amount of ammonia and alcohol, but without other binder additives, a complete water ink system for flexographic and/or gravure ink can be formulated.
- Free of formaldehyde.
- For aqueous formulations, the use of preservatives is highly recommended. The right preservative package (combination of bactericides and fungicides) should provide reliable, highly effective control of micro-organisms in the intended formulation.

Standard Colors

Product Name	Description
STX-09	UV Blue

Packaging:

1 box = 20kg
MOQ = 20kg

Storage & shelf life:

12 months after production date when kept in closed original packaging in a dry place at ambient temperatures and away from humidity.

Safety & regulatory:

Safety Data Sheet available on request.

Physical properties	
Delivery form	Coarse powder
Particle size (Laser diffraction)	70 – 90 µm
Melting point	75 – 110 °C
Specific gravity	1.2 g/ml
Bulking value	0.6 g/ml

Test methods and Certificate of Analysis (COA) available on request.

Processing

Solvent resistance	Completely soluble in water based formulation.
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Adding STX-09 (UV Blue) will purify the color and will increase the UV-response.	
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STX-09 toner is designed for use at industrial sites as described in EU COMMISSION REGULATION 2023/2055 of 25 September 2023.

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